

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/043,639C  
Source: 1FW/6  
Date Processed by STIC: 5/12/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 05/12/2005

PATENT APPLICATION: US/10/043,639C

TIME: 12:01:29

Input Set : D:\CHEP004.APP.txt

Output Set: N:\CRF4\05112005\J043639C.raw

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4      CROUX, CHRISTIAN
5      SOUCAILLE, PHILIPPE
7 <120> TITLE OF INVENTION: METHOD FOR PREPARING 1,3-PROPANEDIOL BY A RECOMBINANT
8      MICRO-ORGANISM IN THE ABSENCE OF COENZYME B12 OR ONE OF
9      ITS PRECURSORS
11 <130> FILE REFERENCE: CHEP:004US
13 <140> CURRENT APPLICATION NUMBER: 10/043,639C
14 <141> CURRENT FILING DATE: 2002-01-09
16 <150> PRIOR APPLICATION NUMBER: PCT/FR00/01981
17 <151> PRIOR FILING DATE: 2000-07-07
19 <150> PRIOR APPLICATION NUMBER: FR 99/08939
20 <151> PRIOR FILING DATE: 1999-07-09
22 <160> NUMBER OF SEQ ID NOS: 14
24 <170> SOFTWARE: PatentIn Ver. 2.1
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28 <212> TYPE: DNA
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57 catatgtgct gtgctgataa ttgcatagat attgcacatg cagaaagagc tccattacct 1560
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68 tcattaataa gaagttattt tgatcaaaag ggatttcatt ttcaatttaa tgtaatatag 2220
69 aaaaaatat tacttgcagc acaaaaaaat cctgaaaaat atcaagattt aattgttaga 2280
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77 &lt;213&gt; ORGANISM: Clostridium butyricum

79 &lt;400&gt; SEQUENCE: 2

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82 aatccagaat cccaagatat taaacctcaa gtaatgttta ataaaaatatt atgtacaaaa 180
83 tgtggaagat gtaaattctca atgtaaaagt gcaggatttg atatgaattc agaatatagg 240
84 atagataaaa gcaaatgtac agagtgtaca aaatgtgttg ataattgctt aagcggggca 300
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87 caaccagatt ttgcagtgga gcttttaaaa gagtgtaaat catatggctg gcacactgcc 480
88 attgaaacag caatgtatgt taatagtga tctgtaaaaa aagtaattcc atatatatag 540
89 ctggctatga ttgatataaa aagtatgaat gatgaaatcc ataggaaatt tacaggagtg 600
90 agtaacgaaa taatattaca aaacattaaa ttaagtgatg aattagctaa agaaataata 660
91 atcagaattc ctgtaataga aggatttaat gcagatttac aaagtatagg agcaatagct 720
92 caattttcaa aatcattaac aaatcttaaa agaatagatc ttcttcata ccataattat 780
93 ggagaaaata agtatcaagc aattggaaga gagtattctt tgaaagaact aaaatcacct 840
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100 &lt;212&gt; TYPE: DNA

101 &lt;213&gt; ORGANISM: Clostridium butyricum

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108 &lt;211&gt; LENGTH: 1158

109 &lt;212&gt; TYPE: DNA

110 &lt;213&gt; ORGANISM: Clostridium butyricum

112 &lt;400&gt; SEQUENCE: 4

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116 ggattagatg ttgtatatta tgacggagtt gaaccaaatac caaaagatgt taatgttata 240
117 gaaggattaa aaatatattaa agaagaaaat tgtgacatga tagtaactgt aggtggagga 300
118 agttcgcatg attgcggttaa gggaaatagga attgctgcaa cacatgaagg agatctttat 360
119 gattatgcag gaatagaaac acttgtcaat ccattgccac caatagtagc tgtaaatact 420
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122 cttatggtca aaaaacctgc aggattaaca gcagctacag gaatggatgc tttaacacat 600
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238 Leu Ile Thr Glu Ser Phe Lys Gln Thr Gly Gln Pro Ala Ile Leu Arg
239 35 40 45
241 Arg Ala Leu Ala Leu Lys His Ile Leu Glu Asn Ile Pro Ile Thr Ile
242 50 55 60
244 Arg Asp Gln Glu Leu Ile Val Gly Ser Leu Thr Lys Glu Pro Arg Ser
245 65 70 75 80
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248 85 90 95
250 Asp Arg Leu Asn Lys Arg Thr Gly Asp Ala Phe Gln Ile Ser Glu Glu
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253 Ser Lys Glu Lys Leu Lys Asp Val Phe Glu Tyr Trp Asn Gly Lys Thr
254 115 120 125
256 Thr Ser Glu Leu Ala Thr Ser Tyr Met Thr Glu Glu Thr Arg Glu Ala
257 130 135 140
259 Val Asn Cys Glu Val Phe Thr Val Gly Asn Tyr Tyr Tyr Asn Gly Val
260 145 150 155 160
262 Gly His Val Ser Val Asp Tyr Lys Val Leu Arg Val Gly Phe Asn Gly
263 165 170 175
265 Ile Ile Asn Glu Ala Lys Glu Gln Leu Glu Lys Asn Arg Ser Asp Pro
266 180 185 190
268 Asp Phe Ile Lys Lys Glu Lys Phe Leu Asn Ser Val Ile Ile Ser Cys
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271 Glu Ala Ala Ile Thr Tyr Val Asn Arg Tyr Ala Lys Lys Ala Lys Glu
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